AMENDMENTS TO THE CLAIMS

1. (currently amended) A terminal device, comprising:

a memory ~~storing therein at least two programs, each of said at least two programs comprising one of~~ including:

a program storage area including a to-be-used program and a to-be-removed program, according to a ~~function of said~~ selection by a terminal device user; ~~and~~

a program executing area; and

a memory management table~~, which~~ that stores data ~~about whether each of said at least two programs comprises~~ designating said to-be-used program [[or]] and said to-be-removed program, ~~and causes~~

wherein said data causes said to-be-removed program to be removed from said ~~memory~~ program executing area.

2. (currently amended) The terminal device as set forth in claim 1, wherein said ~~memory adds only a necessary program~~ said to-be-used program is added to said program storage area from a program-transferring device and transferred to said program executing area, in accordance with said data~~, and~~

~~wherein said necessary program comprises said to-be-used program~~.

3. (currently amended) The terminal device as set forth in claim 1, further comprising a controller, said controller causing said to-be-used program to be ~~booted~~ transferred to said ~~memory~~ program executing area with reference to said data, if a check sum of said ~~memory~~ program storage area is not coincident with a check sum of said ~~first device~~ program executing area, and copying ~~programs~~ said to-be-used program stored in said ~~first device~~ program executing area into said ~~memory~~ program storage area.

4. (previously presented) The terminal device as set forth in claim 1, wherein said terminal device comprises a portable terminal device.

5. (currently amended) A terminal device, comprising:

a ~~first memory storing~~ program storage area that stores at least one ~~transferred~~ to-be-used program transferred from a base station;

a ~~second memory storing~~ program executing area that stores a main program and an application program;

a ~~third~~ memory ~~storing data in a~~ management table~~, about whether each of~~ that stores data selected by a terminal device user and designates at least one of said main program and said application program ~~comprises one of a to-be-used program and~~ as a to-be-removed program, in which said data causes said to-be-removed program to be removed from said ~~memory~~ program executing area;

a signal-receiving and -transmitting circuit for receiving and transmitting a signal to said base station; and

a central processing unit which controls ~~an operation of~~ said ~~first memory~~ program storage area, said ~~second memory~~ program executing area, said ~~third~~ memory management table, and said signal-receiving and -transmitting circuit.

6. (canceled)

7. (currently amended) The terminal device as set forth in claim 5, wherein said ~~third~~ memory management table stores a program ID ~~of each~~ of said main program, said application program, and said at least one ~~transferred~~ to-be-used program, a flag indicating whether ~~each of~~ said main program, said application program, and said at least one ~~transferred~~ to-be-used program is to be used or ~~not~~ to be removed, a packet number transferred from a program-transferring device, a final packet number transferred from [[a]] said program-transferring device, an initial storage address of said main program, said application program, and said at least one ~~transferred~~ to-be-used program, and a length of said main program, said application program, and said at least one ~~transferred~~ to-be-used program.

8. (currently amended) The terminal device as set forth in claim 5,

wherein said ~~first memory~~ program storage area receives only a ~~necessary~~ to-be-used

program from a program-transferring device, in accordance with said data stored in said ~~third~~ memory management table, and

wherein said ~~necessary~~ to-be-used program comprises one of said main program, and said main program and said application program.

9. (currently amended) The terminal device as set forth in claim 5, wherein said central processing unit causes said ~~first memory~~ program storage area to ~~boot~~ transfer a to-be-used program to said ~~second memory~~ program executing area with reference to said data stored in said ~~third~~ memory management table, if a check sum of said ~~first memory~~ program storage area is not coincident with a check sum of said ~~second memory~~ program executing area.

10. (currently amended) The terminal device as set forth in claim 5, wherein said ~~first memory is comprised of~~ program storage area comprises an electrically erasable programmable read- only memory (EEPROM).

11. (currently amended) The terminal device as set forth in claim 5, wherein said ~~second memory is comprised of~~ program executing area comprises a random access memory (RAM).

12. (currently amended) The terminal device as set forth in claim 5, wherein said ~~third~~ memory ~~is comprised of~~ management table comprises an electrically erasable programmable read-only memory (EEPROM).

13. (currently amended) The terminal device as set forth in claim 5, further comprising a power source electrically connected to said ~~second memory~~ program executing area, such that said ~~second memory can keep storing~~ program executing area stores data even when said terminal device is turned off.

14. (previously presented) The terminal device as set forth in claim 5, wherein said terminal device comprises a portable terminal device.

15. (currently amended) A system for changing programs stored in a terminal device, comprising:

a base station;

a program-transferring device which transfers a ~~transferred~~ to-be-used program to said base station; and

a terminal device which downloads said ~~transferred~~ to-be-used program from said program-transferring device through said base station, said terminal device including:

a memory ~~storing therein at least two programs, each of said at least two programs comprising one of~~ including:

a program storage area including a to-be-used program and a to-be-removed program, according to a ~~function of said~~ selection by a terminal device user; and

a program executing area; and

a memory management table~~, which~~ that stores data ~~about whether each of said at least two programs comprises~~ designating said to-be-used program [[or]] and said to-be-removed program, ~~and causes~~

wherein said data causes said to-be-removed program to be removed from said ~~memory~~ program executing area.

16. (currently amended) The system as set forth in claim 15,

wherein said program-transferring device transfers ~~only a necessary~~ said to-be-used program to said ~~first memory~~ program storage area in accordance with said data, and

wherein ~~a necessary~~ said to-be-used program comprises one of a main program, and a main program and an application program.

17. (currently amended) The system as set forth in claim 15, wherein said program-transferring device ~~ciphers a~~ encodes said to-be-used program transferred to said terminal device, in response to a password transmitted from said terminal device.

18. (previously presented) The system as set forth in claim 17, wherein said password comprises one of a serial number and a telephone number of said terminal device.

19. (currently amended) The system as set forth in claim 15, wherein said terminal device further includes a controller ~~to carry out a program~~, said controller ~~booting~~ transferring said to-be-used program to said ~~memory~~ program storage area with reference to said data, if a check sum of said ~~memory~~ is not coincident with a check sum of said device, and copying programs stored in said first device into said memory.

20. (currently amended) The system as set forth in claim 15, wherein said program-transferring device comprises:

a memory storing a to-be-used program;

a circuit which encodes said to-be-used program and transmits said to-be-used program, which is encoded, to said base station; and

a controller which controls an operation of said memory and said circuit.

21. (previously presented) The system as set forth in claim 15, wherein said terminal device comprises a portable terminal device.

22. (currently amended) A system for changing programs stored in a terminal device, comprising:

a base station;

a program-transferring device which transfers ~~at least one transferred~~ a to-be-used program to said base station; and

a terminal device which downloads said ~~at least one transferred~~ to-be-used program from said program-transferring device through said base station, said terminal device including:

a ~~first memory storing~~ program storage area that stores said ~~at least one transferred~~ to-be-used program and a to-be removed program;

a ~~second memory storing~~ program executing area that stores a main program and an application program; and

a ~~third~~ memory ~~storing data in a~~ management table~~, about whether each of~~ that stores data selected by a terminal device user and designates one of said main program and

said application program ~~comprises one of a to-be-used program and a~~ as said to-be-removed program, in which said data causes said to-be-removed program to be removed from said program executing area; and

a signal-receiving and -transmitting circuit for receiving and transmitting a signal to [[a]] said base station; and

a central processing unit which controls an operation of said ~~first memory~~ program storage area, said ~~second memory~~ program executing area, said ~~third~~ memory management table, and said signal-receiving and -transmitting circuit.

23. (currently amended) The system as set forth in claim 22,

wherein said program-transferring device transfers only a ~~necessary~~ to-be-used program to said ~~first memory~~ program storage area, in accordance with said data, and

wherein said ~~necessary~~ to-be-used program comprises one of said main program, and said main program and said application program.

24. (currently amended) The system as set forth in claim 22, wherein said program-transferring device ~~ciphers~~ encodes a to-be-used program transferred to said terminal device, in response to a password transmitted from said terminal device.

25. (previously presented) The system as set forth in claim 24, wherein said password comprises one of a serial number and a telephone number of said terminal device.

26. (currently amended) The system as set forth in claim 22, wherein said ~~third~~ memory management table stores data ~~about~~ designating whether said main program comprises one of said to-be-used program and said to-be-removed program, and whether said application program comprises one of said to-be-used program and said to-be-removed program.

27. (currently amended) The system as set forth in claim 22, wherein said ~~third~~ memory management table stores a program ID of ~~each of~~ said main program, said application program, and said ~~at least one transferred~~ to-be-used program, a flag indicating whether ~~each~~

~~of~~ said main program, said application program, and said ~~at least one transferred~~ to-be-used program is to be used or ~~not~~ to be removed, a packet number transferred from a program-transferring device, a final packet number transferred from [[a]] said program-transferring device, an initial storage address of said main program, said application program, and said ~~at least one transferred~~ to-be-used program, and a length of said main program, said application program, and said ~~at least one transferred~~ to-be-used program.

28. (currently amended) The system as set forth in claim 22,

wherein said ~~first memory~~ program storage area receives only a ~~necessary~~ to-be-used program from [[a]] said program-transferring device, in accordance with said data stored in said ~~third~~ memory management table, and

wherein ~~a necessary~~ said to-be-used program comprises one of a main program, and a main program and an application.

29. (currently amended) The system as set forth in claim 22, wherein said central processing unit causes said ~~first memory~~ program storage area to ~~boot~~ transfer said to-be-used program to said ~~second memory~~ program executing area with reference to said data stored in said ~~third~~ memory management table, if a check sum of said ~~first memory~~ program storage area is not coincident with a check sum of said ~~second memory~~ program executing area.

30. (currently amended) The system as set forth in claim 22, wherein said program-transferring device comprises:

a memory storing a to-be-used program;

a circuit which encodes said to-be-used program and transmits said to-be-used program, which is encoded, to said base station; and

a controller which controls an operation of said memory and said circuit.

31. (previously presented) The system as set forth in claim 22, wherein said terminal device comprises a portable terminal device.

32. (currently amended) A method of changing programs stored in a terminal device, comprising:

storing a plurality of programs in a ~~memory~~ program storage area of said terminal device, ~~each of~~ said plurality of programs comprising ~~one of~~ a to-be-used program and a to-be-removed program, according to a ~~function of said~~ selection by a terminal device user; and

removing said to-be-removed program from said plurality of programs ~~from~~ in said ~~memory~~ program storage area in accordance with data ~~about whether~~ stored in a memory management table in said terminal device that designates each of said plurality of programs ~~comprises one of~~ as a to-be-used program ~~and~~ or a to-be-removed program.

33. (currently amended) A method of changing programs stored in a terminal device including a ~~first~~ memory ~~including~~ that includes a ~~first~~ program storage area to store a ~~transferred~~ to-be-used program transferred from a base station, a ~~second memory including a second~~ program executing area ~~to carry out a program therein~~ including a plurality of programs, and a ~~third~~ memory ~~storing~~ management table that stores data ~~about whether~~ designating each of said ~~transferred program~~ plurality of programs stored in said ~~first memory is~~ program executing area as to be used or ~~not~~ to be removed, the method comprising:

calculating a check sum of said ~~first memory~~ program storage area that includes the to-be-used program and a to-be-removed program;

calculating a check sum of said ~~second memory~~ program executing area;

comparing said check sum of said ~~first memory~~ program storage area to said check sum of said ~~second memory~~ program executing area; and

~~booting~~ transferring said ~~transferred~~ to-be-used program from said ~~first memory~~ program storage area to said ~~second memory~~ program executing area and removing said to-be-removed program from said program storage area in accordance with said data stored in said ~~third~~ memory management table, if said check sum of said ~~first memory~~ program storage area is not coincident with said check sum of said ~~second memory~~ program executing area.

34. (currently amended) A method of changing programs stored in a terminal device, comprising:

copying existing and used programs from a ~~second memory~~ program executing area to a ~~first memory~~ program storage area of said terminal device;

storing first indicia of said existing and used programs in a memory management table ~~of a third memory~~ of said terminal device;

requesting a change of programs by said terminal device, said change of programs including ~~at least one of an~~ a to-be-added program and a to-be-deleted existing program;

storing second indicia of said change of programs in said memory management table;

loading said to-be-added program into said ~~first memory~~ program storage area; ~~andsaz~~ and

~~booting~~ transferring, from said ~~first memory~~ program storage area to said ~~second memory~~ program executing area, said existing and used programs and said to-be-added program, while not ~~booting~~ transferring from said ~~first memory~~ program storage area, said to-be-deleted existing program, based on said second indicia stored in said memory management table.